

## ABSTRACT OF THE DISCLOSURE

A system and method for capturing contours of a three-dimensional subject, and/or acquiring data correlated with three-dimensional geometric features or location of the subject, involves capture of a pattern or signature emitted or reflected by the subject under natural illumination, illumination by one or more projected grids, and/or patternless projected illumination, and in which the grids, patterns, or signatures are optically separated from a composite image of the subject using one or more receivers, each including one or more beam splitters, for direct viewing or further processing.